(C) WPI/Derwent

AN - 1980-87960C [49]
A - [001] 011 03- 034 037 04& 04- 074 076 086 231 239 24& 259 264 266 273
341 355 359 393 44& 473 479 48- 501 516 523 525 546 58- 633 642 643
645 679 690 691 723 724 726
CPY - ASEL-R
DC - A11 A96 B04 D16
FS - CPI
IC - C08B37/08
IN - BERKOVICH L A; DAVANKOV V A; TSYURUPA M P
KS - 0003 0034 0206 0224 0229 0230 0231 0620 0625 1989 1999 2000 2020 2021
2023 2029 2066 2116 2121 2177 2180 2198 2206 2292 2300 2493 2512 2542
2595 2705 2706 2766 2840
MC - A04-D04 A04-D05 A10-E09 A10-E19 A12-W11B B04-B02C B04-C02 D05-A01
M1 - [01] V800 V731 V732 V733 V734 V735 F423 F499 H211 H212 H213 J171 J371
J372 J373 J321 J322 J521 J522 N151 N152 N000 M720 M423 M902
PA - (ASEL-R) AS USSR ELEMENT ORG
PN - SU729197 A 19800428 DW198049 000pp
PR - SU19772502642 19770705
XIC - C08B-037/08
AB - SU-729197 Crosslinked chitosan copolymers have gps.; X-O-X (where X is
gp. of formula (I), and are used as carriers for enzyme immobilisation
(e.g. for foodstuff and pharmaceutical use. It is by free radical
copolymerisation of chitosan (acylated with maleic anhydride) and
vinyl monomer. Acylating in formamide at 20-60 degrees C gives degree
of acylation 5-100%. Copolymerisation is carried out in aq. or
organic solvent (or mixt.) pref. in inert atmos. using wt. ratio vinyl
monomer-acylated chitosan 1:10-100:1, soln. concn. 3-20 wt.%, and
initiation at 20-100 degrees C to give swollen transparent gel, which
may be pulverised and dried.
IW - CROSSLINK CHITOSAN COPOLYMER CARRY ENZYME IMMOBILISE
PREPARATION
CHITOSAN ACYLATED MALEIC ANHYDRIDE POLYVINYL MONOMER
COPOLYMERISE
IKW - CROSSLINK CHITOSAN COPOLYMER CARRY ENZYME IMMOBILISE
PREPARATION
CHITOSAN ACYLATED MALEIC ANHYDRIDE POLYVINYL MONOMER
COPOLYMERISE
INW - BERKOVICH L A; DAVANKOV V A; TSYURUPA M P
NC - 001
OPD - 1977-07-05
ORD - 1980-04-28
PAW - (ASEL-R) AS USSR ELEMENT ORG
TI - Crosslinked chitosan copolymer carrier for enzyme immobilisation -
prepd. from chitosan acylated with maleic anhydride and vinyl] monomer
copolymerisation